

IN THE SPECIFICATION

Please amend the specification as follows:

Please replace the paragraph beginning at page 5, line 12 with the following:

All transactions request that locks on data items be granted in [[a]] desired lock modes.

For example, the reader may request a lock in shared (S) mode and a writer may request the same lock in an exclusive (X) mode. If S and X are defined not to be compatible, then the LM 3 guarantees that no writer has access permission. In other words, no X lock exists on the data item if a S lock has already been obtained on that data item. Thus a reader can read a consistent state of the data item after S lock has been obtained on that data item.

Please replace the paragraph beginning at page 10, line 13 with the following:

FIG. 7 describes in general terms how the ADL 9 in FIG. 1 operates. An activity is started by the transaction manager in block 70 80. The activity is identified according to the activity bit map in block 72 82. The data items referenced by the activity are locked according to the lock manager in block 74 84. The locks for the activities are tracked by the lock manager in block 76 86. As soon as an activity ends in block 78 88, the locks for the group of data items associated with that activity are released by the lock manager in block 80 100.